Faculty Profile

1. Name:RAMJEE PRASAD GUPTA

2. Department:ELECTRICAL ENGINEERING

3. Email id:rpgupta.ee@bitsindri.ac.in,

        rpguptabit@gmail.com

4. Phone Number:8340432424

5. Office Address:Associate Professor, Department of Electrical Engineering, BIT, Sindri, Dhanbad (Jharkhand)Pin-828123

6. Qualification:

S. No	Degree (UG, PG, PhD)	Specialization	Institute
1	PhD	Electrical Engineering	BIT, Sindri(VBU)
2	MTech	Power System	NIT, Jamshedpur
3	BTech	Electrical & Electronics	Bangalore Univ.

7. Area of Specialization:Power System

8. PhD (Guided):

9. Subjects Taught:

I) UG- Microprocessor & Microcontroller, Industrial Engineering System

II) PG- Power System Operation & Control

10. Professional Experience:

    I) Teaching Experience:

Sl. No.	Position held	Name of Organization	From	To
1	Associate Professor	BIT, Sindri	18-02-2021	Till Date
2	Assistant Professor(AGP 8000)	BIT, Sindri	7-9-2016	17-2-2021
3	Assistant Professor(AGP 7000)	BIT, Sindri	7-9-2011	6-9-2016
4	Assistant Professor(AGP 6000)	BIT, Sindri	7-9-2006	6-9-2011
5	Lecturer	RPSIT,PATNA	27.7.2004	30.8.2006
6	Lecturer	LNCT, Bhopal	4.2.2002	25.7.2004

II) Research Experience:

Sl. No.	Position held	Name of Organization	from	to

III) Industrial Experience:

Sl. No.	Position held	Name of Organization	from	to

11. Publications:

Sl No.	TITLE OF RESEARCH PAPER	NAME OF JOURNAL	ISSN NO.	PUBLICATION RELATED DETAILS			RESEARCH PAPER PUBLISHED IN(SCI/UGC/AICTE APPROVED LIST OF JOURNAL)
				DATE OF PUBLICATION	Vol.	PP.	
1	Operational performance of on - grid solar photovoltaic system integrated into pre-fabricated portable cabin buildings in warm and temperate climates	Energy for sustainable Development	https://doi.org/10.1016/j.esd.2020.05.008	AUGUST-2020	57	109-118	SCI and scopus
2	Performance ,energy loss, and degradation prediction of roof-integrated crystalline solar PV system installed in Northern India	Case studies in Thermal Engineering	https://doi.org/10.1016/j.csite.2019.100409	March-2019	13	1-9	Scopus and UGC Approved
3	Efficient Lighting system for underground coalmines using LED	Journal of The Institution of Engineers (India)	0257-442X	August,2010	91	21-24	Published by institutions of Engineers(India)/sponsored by AICTE/UGC Approved
4	Automatic Room	The Indian	0971-3034	July-	38	83-89	Published by

	Light and Fan controller using AT89C51	Journal of Technical Education		sept,2015			ISTE/sponsored by AICTE/UGC Approved
5	Tilt and tacking effect on the performance of Global inclined irradiance in solar PV plant : A case study	The Indian Journal of Technical Education	0971-3034	July-Sept, 2017	40	74-80	Published by ISTE/ sponsored by AICTE/UGC Approved
6	A biometric secure smart home with voice automation using arduino uno	International journal of engineering science and technology	0975-5462	July 2017	9	732-738	UGC Approved
7	Design and analysis of buck boost converter based LED driver for enhancing the stability	Journal of Electrical Engineering	1582-4594	2012	12	117-124	Scopus and UGC Approved
8	Photometric characteristics of Led based Caplamp for underground coalmines	Journal of Engineering, Science & management Education	0976-0121	July-Sept,2011	4	189-191	Published by NITTTR,Bhopal (Govt. of India ,MHRD)/ sponsored by AICTE
9	Design of a PWM based buck boost DC/DC converter with parasitic resistance suitable for LED Based underground coalmines lighting system	International Journal of Electrical Engineering & Technology	0976-6545	Oct-Dec,2012	3	175-186	Published by IAEME
10	Modelling and Simulation of Solar plant and storage system based microgrid	IJRECE	2348-2281	July-Sep2018	6	34-37	
11	Optimization of Economic Load Dispatch with Unit Commitment on	IJAPE	2252-8792	August2015	4	47-60	

	Multi Machine					

II) Book Chapter :

	Book Chapter
1	Kumar R., Gupta R.P., Sankar M.M., Nath V. (2020) Performance Evaluation of PV Module with Battery Storage in a Microgrid. Lecture Notes in Electrical Engineering, vol 642. Springer, Singapore. https://doi.org/10.1007/978-981-15-2854-5_19
2	Swati, Gupta R.P. (2022) Implementation and Performance Analysis of ECC-Based Text Encryption on Raspberry Pi 3. In: Dubey H.M., Pandit M., Srivastava L., Panigrahi B.K. (eds) Artificial Intelligence and Sustainable Computing. Algorithms for Intelligent Systems. Springer, Singapore. https://doi.org/10.1007/978-981-16-1220-6_18. Book series in Algorithm for Intelligent Systems

III) International Conference:

Sl. No.	Title of the paper	Name of the Conference in which publication has been made	Vol/No.	Publication Year	Pages
1	"Energy Conservation and Economic Lighting System using Solid State Cap Lamps in Underground Coalmines	**9th International Mine Ventilation Congress New Delhi, 10-13 November 2009**	ISBN : 978-81-204-1751-9	2009	217-221
2	"Haul Roads Lighting System for Open Cast Mine using Green Energy " 2012 Vol III, IMECS	Proceedings of the International MultiConference of Engineers and Computer Scientists	III	2012, March 14-16,Hong Kong,	987-990
3	Review of LED Based Cap Lamps for Underground Coalmines to Improve Energy Efficiency as Compared to Other Light Sources	IEEE International Conference on Computer and Automation Engineering Singapore	5	February 28 , 2010	675-677
4	Implementation of Biometric Security in a Smartphone based Domotics	IEEE International Conference on Advances in Computing, Communication Control and Networking (ICACCCN2018) **DOI:** 10.1109/ICACCCN.2018.8748672	**Electronic ISBN:**978-1-5386-4119-4	12-13 Oct,2018	80-85
5	Public opinion on solar photovoltaic energy utilization-A survey based study	Conference: International Conference on "Smart and Sustainable Initiatives for Energy within Environmental	Vol-1	Dec 2017	28-34

		Constraints" 2017 At: Malaysia https://www.researchgate.net/publication/321153358_Public_opinion_on_solar_photovoltaic_energy_utilization-A_survey_based_study			
6	Performance Study on a 20 kW Roof Mount Residential Photovoltaic System	IEEE International Conference on Power Energy, Environment and Intelligent Control (PEEIC),2018 doi: 10.1109/PEEIC.2018.8665416.	**Electronic ISBN:**978-1-5386-2341-1	13-14 April 2018	73-76

IV)National Conference   :

Sl. No.	Title of the paper	Name of the Conference in which publication has been made	Vol/No.	Publication Year	Pages
1	Microprocessor based Multi-parametric Controller for Greenhouse	43rd Annual convocation of ISAE, at RAU, Ranchi		February 15-17,2009	
2	Effect of Resistance Switching on Transient Recovery Voltage in a Transmission System	PPPPDSOC-2009 at Punjab Engineering College, Chandigarh		23-24 January 2009	84-88
3	Productivity Enhancement in GreenHouse Cultivation by Microcontroller Based System	Energy and Environment for Sustainability EES 2013 Organised by BIT, Sindri		March16-17,2013	106-108

12. Patents (Filed / Granted)

S. No.	Name of the Inventor	Title of the Invention	Application / Patent No. (As applicable)	Year	Status (Filed / Granted)

13. Conference/ Workshop/Seminar/ Organized

Sl. No.	Title of Seminar / Conferences / Short – term Courses	Name of Coordinator	Funding / Sponsoring Agency	Date of Seminar / Conferences / Short – term Courses	No. of Participants
1	Office Automation at BIT, Sindri	R. P. Gupta	TEQIP-I	5-11-2007 to 24-11-2007	60
2	Office Automation at BIT, Sindri	R.P. Gupta	TEQIP-I	6-2-2009 to27-2-2009	60
3	Induction Program as per AICTE guidelines at BIT, Sindri	R.P. Gupta	TEQIP-III	7-8-2018 to 15-8-2018	690
4	Advancement of Soft Computing, Recent Drives Application in Power and control scenario for Teachers at BIT, Sindri	R.P. Gupta	Electronics and ICT academy, Govt of India in association with NIT, Patna	16-7-2018 to 20-72018	55
5	Staff capacity development Phase-I(Establishment matters) at BIT, Sindri	R.P. Gupta	TEQIP-III	11-10-2018 to 13-10-2018	40
6	Staff capacity development Phase-II(Understanding MS Excel for office automation) BIT, Sindri	R.P. Gupta	TEQIP-IIII	18-12-2018 to 22-12-2018	40
	Water Scenario of Dhanbad District : Emerging challenges at BIT, Sindri	R.P. Gupta (Organizing Secretary)	TEQIP-IIII	22-7-2019	80
7	Outcome Based Education and Accreditation(NBA) at BIT, Sindri	R.P. Gupta	TEQIP-IIII	19-7-2021 to 20-7 2021	100

14. Symposium/ Workshop/Seminar/ Attended :

SN.	Course	Duration
1	"Developing Personal and Professional Effectiveness" at XLRI Jamshedpur from 16 to 24 Dec. 2006.	2 Week
2	Digital signal processing from 20-10-2008 to 24-10-2008 at NITTTR , Kolkata	1 week
3	Induction Training Program from 15-11-2010 to 26-11-2010 at NITTTR, Bhopal	2 week
4	Control Systems and MATLAB Simulation from 14-06-2010 to 18-06-2010 at NITTTR, Kolkata	1 week
5	Embedded System Design at IIT Kharagpur from 2-22009 to 6-2-2009	1 week
6	Workshop on "Effective Teaching" at BIT, Mesra from 30-7-2008 to 3-8-2008	1 week
7	PLC and SCADA at BIT, sindri from 7-4-2008 to 12-4-2008 under TEQIP	2 week
8.	Application of MATLAB AND TOOLBOXES FOR RELATIVE SOLUTIONS at BIT,Mesra from 21-4-2007 to 22-04-2007	2 days

9.	LABVIEW at BIT, Sindri from 7-3-2008 to 8-3-2008	2 days
10	Industry Institute Interaction at BIT, sindri from 13-14 July 2007	2 Days
11	National Workshop on VLSI & Embedded System Based Designs at NIT, Jamshedpur from 6-3-2009 to 8-3-2009	3 Days
12.	Ethics and values in science NPTST sponsored STTP at ISM Dhanbad from 12-12-2011 to 16-12-2011	1 Week
13.	ISTE sponsored STTP on Performance enhancement skills BIT, Sindri from 23-7-2012 to 3-8-2012	2 week
14	ISTE sponsored STTP on " Personality Development " at BIT , Sindri From 26-10-2015 to 06-11-2015	2 week
15.	Introduction to Robotics organized by E-Yantra, IIT, Bombay from 8-9 May2017	2 Days
	Participated in "international Symposium on 5G & Beyond for Rural Upliftment" organized by IIT(ISM) Dhanbad and BIT, Sindri from 8-2-2020 to 9-2-2020	2 Days
16.	"ICT Skills for Teachers" , Electronics and ICT Academy, NIT Patna from 19-24 June 2017 at BIT, Sindri	1 Week
17	"VLSI chip Design Hands-on Using open source EDA " organized by Electronics & ICT, IIT, Guwahati through NKN mode from 8-7-2019 to 12-7-2019	1 week
18	"Antenna Trends " organized by Electronics & ICT, NIT ,Patna NKN mode from 1-7-2019 to 5-7-2019	1 week
19	FDP on Phython organized by BIT, Sindri ,Spoken tutorial IIT Bombay under National mission on Teachers and Teaching from 5.10.2020 to 16.11.2020	6 weeks
20.	" 8051 Microcontroller & 8085 Microprocessor Based Projects " at NITTTR Kolkatta from 15-26 May 2017	2 Week
21	STTP on "Bio Energy : Technologies and Transition" organized by NIT, Kurukshetra and GEC, Bikaner from 18-5-2020 to 22-5-2020	1 week
22	FDP on LATEX organized by Women's college Jamshedpur & Spoken tutorial IIT Bombay from 13-7-2020 to 19-7-2020	1 week
23	Course on Power System Earthing organized by Capacity building Division of TATA STEEL on 17-3-2020	1 day
242	Course on Power System Protection organized by Capacity building Division of TATA STEEL on 19-3-2020	1 day
25	Course on Power System Cables organized by Capacity building Division of TATA STEEL on 24-3-2020	1 day
26	FDP on free open source tools for Education and Research organized by BIT, Sindri ,Spoken tutorial IIT Bombay	1 day
27	Professional Development Training Program on Mindful Leadership organized by IIM BodhGaya from 1-2-2021 to 5-2-2021	1 week

15. Administrative Position Held:

    I.   Member Secretary, SIRTDO, Sindri
    II.   Prof. In-Charge of MODEL CLUB
    III.   Hostel Superintendent
    IV.   Joint Secretary ,BITSAA
    V.   Assistant Coordinator TEQIP-III
    VI.   Co-Coordinator Start Up Cell of BIT, Sindri
    VII.   Prof. In-Charge of microprocessor Lab of EED
    VIII.   Prof. In-Charge of Power System Lab
    IX.   Prof. In-Charge of Departmental Time Table

X. Prof. In-Charge Electrical Engineering Society
XI. Prof. In-Charge Departmental Magazine
XII. Member of DRC
XIII. Member of Departmental Purchase Committee
XIV. Member of Departmental Academic Council
XV. PG- Coordinator Electrical Engineering Department
XVI. Prof.-In-Charge ROBOTICS CENTRE
XVII. Hostel Superintendent
XVIII. Departmental NBA Asstt. Coordinator
XIX. Administrative officer
XX. SPOC HACKATHON
XXI. Prof. In-Charge Electrical Substation
XXII. Nodal Officer MIS(TEQIP-III)

16. Award / Recognition Bestowed on Faculty (State / National / International)

i. As a Mentor by Ministry of Steel in Smart India Hackathon 2017.
ii. As a Mentor by Ministry of Tourism in Smart India Hackathon 2017.
iii. Skillar Enterprise India Pvt. Ltd.
iv. TBT, E-yantra, IIT, BOMBAY

17. Members of Professional Bodies: IE(I), ISTE(L),IAENG

18 NPTEL Course completed:

i. Introduction to Embedded System Design(12 weeks, Sept-Dec2020)
ii. Introduction to Smart Grid (8 weeks, Aug-Sept 2018)
iii. Digital Transformation in Teaching Learning Process(Two weeks 6April to 22April2020)

19. Researcher ID

Sl No.			ID
1	SCOPUS ID		57195062661
2	ORCID ID		0000-0002-6107-3647
3	WEB OF SCIENCE RESEARCHER ID	https://publons.com/researcher/ABF-9112-2020/	ABF-9112-2020
4	VIDWAN ID	https://vidwan.inflibnet.ac.in/profile/145585	145585
5	Google Scholar	https://scholar.google.com/citations?user=ak0DACwAAAAJ&hl=en	Ramjee Gupta